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TITLE:

Gantry device and method for washing vehicle with

variable high pressure sprinkling nozzle

INVENTOR: KIM, J S

PATENT-ASSIGNEE: KIM J S[KIMJI]

PRIORITY-DATA: 2000KR-0017890 (April 6, 2000)

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 PUB-DATE
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ABSTRACTED-PUB-NO: KR2001094301A

BASIC-ABSTRACT:

NOVELTY - A gantry washing device having a variable high-pressure spray nozzle and a method thereof are provided to wash a vehicle automatically by varying a high-pressure sprinkling nozzle according to shape of the vehicle, and to improve the washing efficiency with reducing the amount of washing water.

DETAILED DESCRIPTION - A gantry vehicle washing apparatus is composed of a gantry frame (100) moving along a rail (200) having first detecting parts by a gantry frame driving unit, and having second detecting parts in upper and lower parts; a first sprinkling part (130) having plural sprinkling nozzles(a), and moving up and down by a first driving unit (120) of the gantry frame; a second sprinkling

part(150) having plural sprinkling nozzles, and moving right and left by a second driving unit (140) of the gantry frame; a third detecting part(131) measuring the height of a vehicle in the first sprinkling part; a fourth detecting part(151) measuring the width of the vehicle in the second sprinkling part; and a control unit connected to first, second, third and fourth detecting parts to control first and second driving units and the gantry frame driving unit. The washing efficiency is improved, and the amount of washing water is reduced with adjusting the high-pressure sprinkling nozzles according to the shape of the vehicle.

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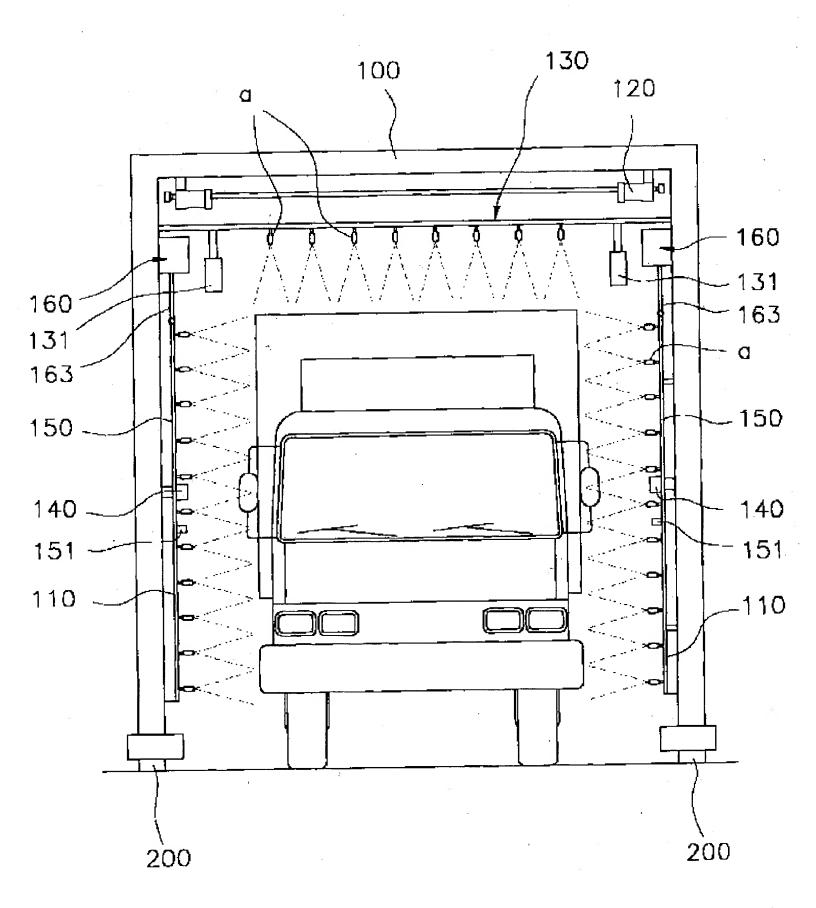
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DRAWING:

TITLE-TERMS: GANTRY DEVICE METHOD WASHING VEHICLE VARIABLE HIGH

PRESSURE SPRINKLER NOZZLE

DERWENT-CLASS: 017



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